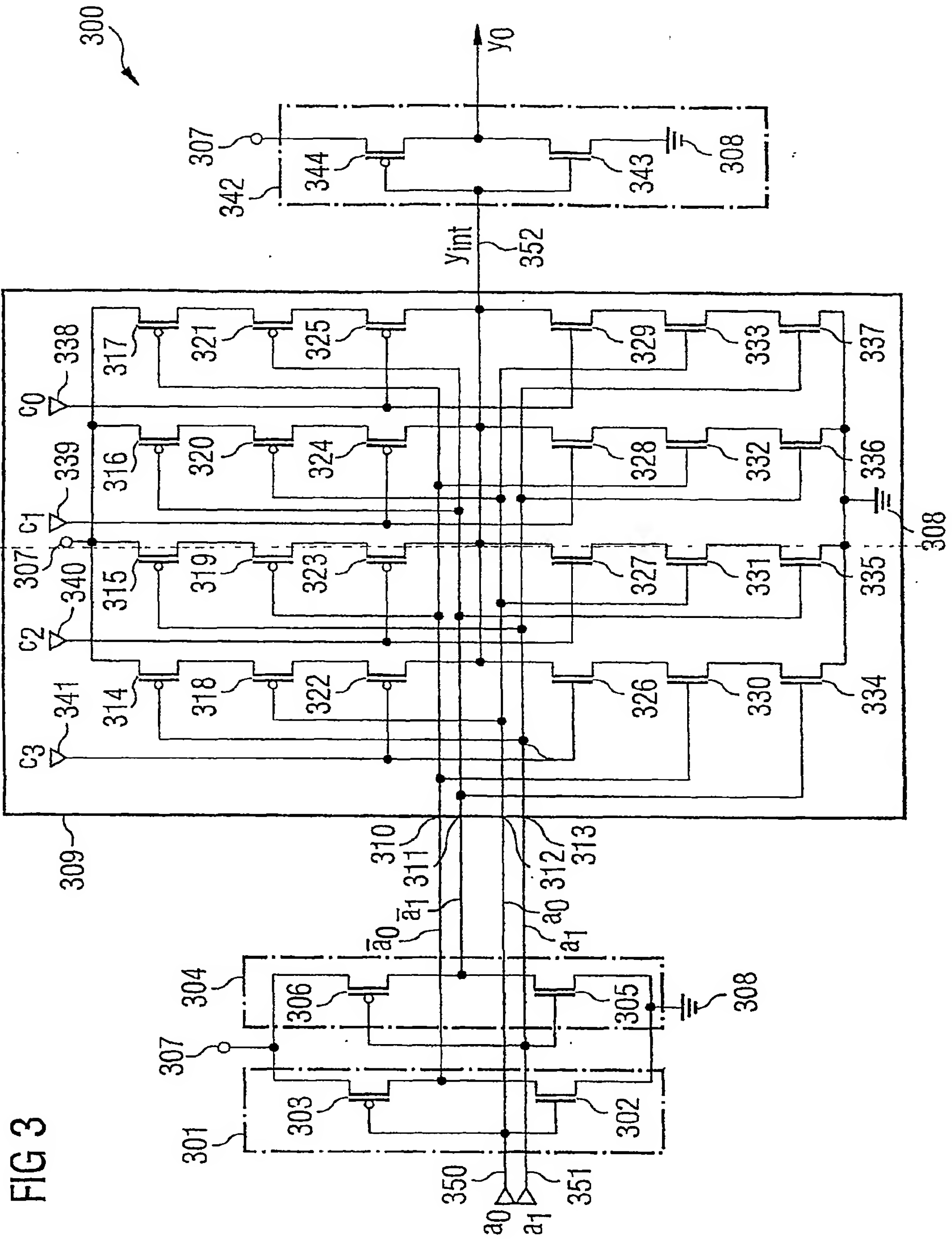


FIG 2

200

| S <sub>3</sub> | S <sub>2</sub> | S <sub>1</sub> | S <sub>0</sub> | y <sub>T</sub>         |
|----------------|----------------|----------------|----------------|------------------------|
| 0              | 0              | 0              | 0              | 1                      |
| 0              | 0              | 0              | 1              | [OR]                   |
| 0              | 0              | 1              | 0              | $a_0 \vee \bar{a}_1$   |
| 0              | 0              | 1              | 1              | $a_0$                  |
| 0              | 1              | 0              | 0              | $\bar{a}_0 \vee a_1$   |
| 0              | 1              | 0              | 1              | $a_1$                  |
| 0              | 1              | 1              | 0              | [XNOR]                 |
| 0              | 1              | 1              | 1              | [AND]                  |
| 1              | 0              | 0              | 0              | [NAND]                 |
| 1              | 0              | 0              | 1              | [XOR]                  |
| 1              | 0              | 1              | 0              | $\bar{a}_1$            |
| 1              | 0              | 1              | 1              | $a_0 \wedge \bar{a}_1$ |
| 1              | 1              | 0              | 0              | $\bar{a}_0$            |
| 1              | 1              | 0              | 1              | $\bar{a}_0 \wedge a_1$ |
| 1              | 1              | 1              | 0              | [NOR]                  |
| 1              | 1              | 1              | 1              | 0                      |



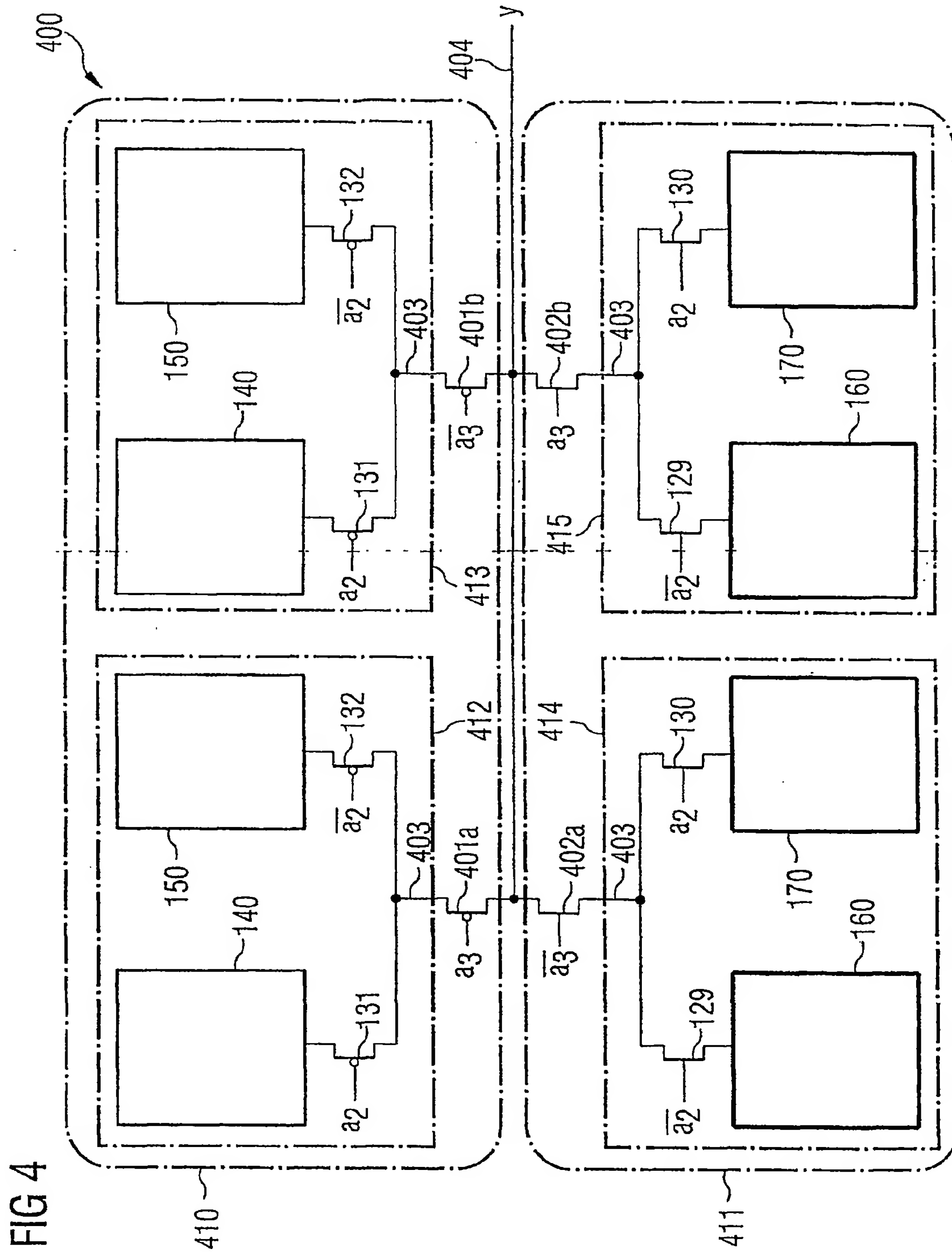


FIG 5

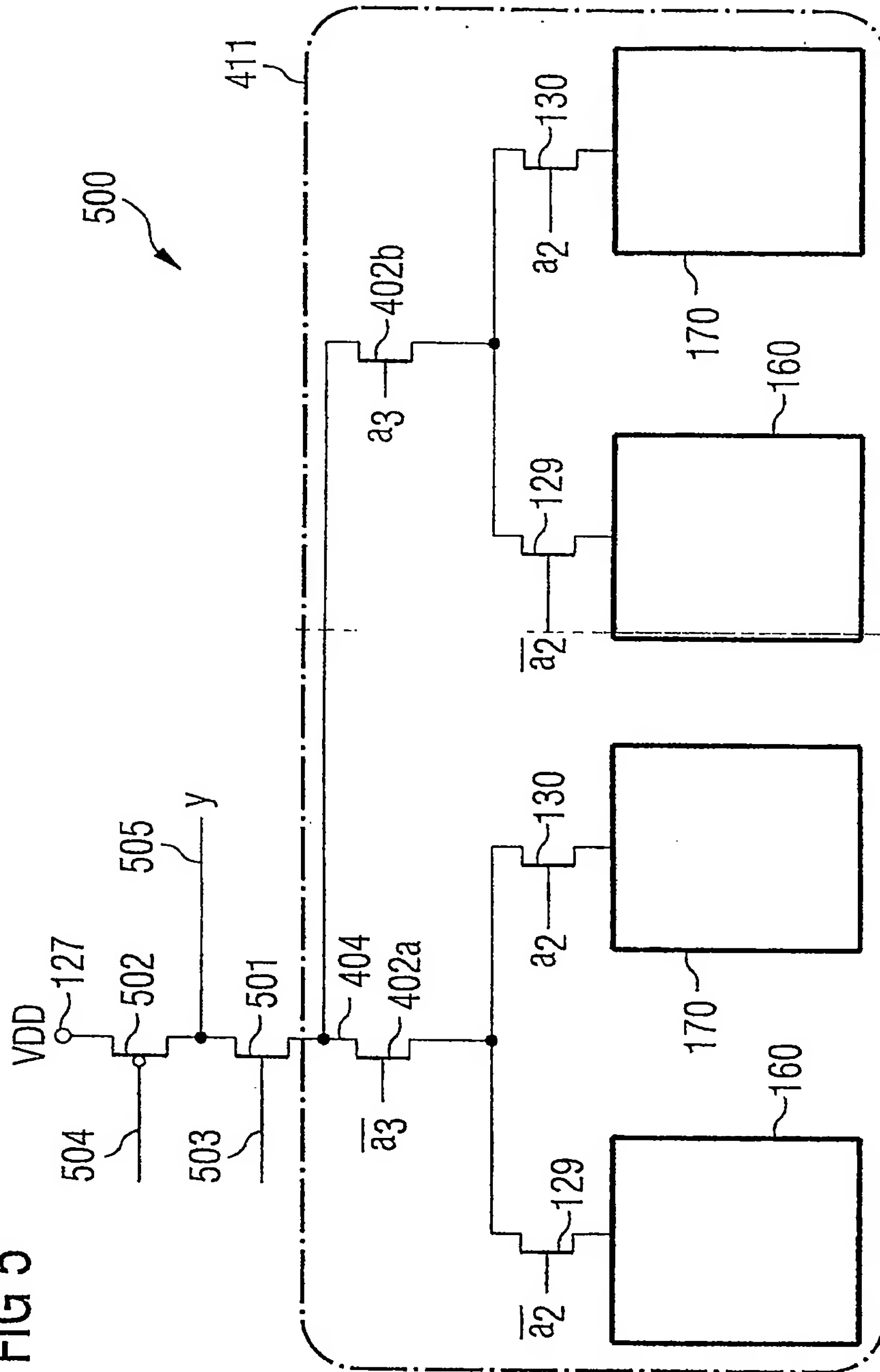


FIG 6A

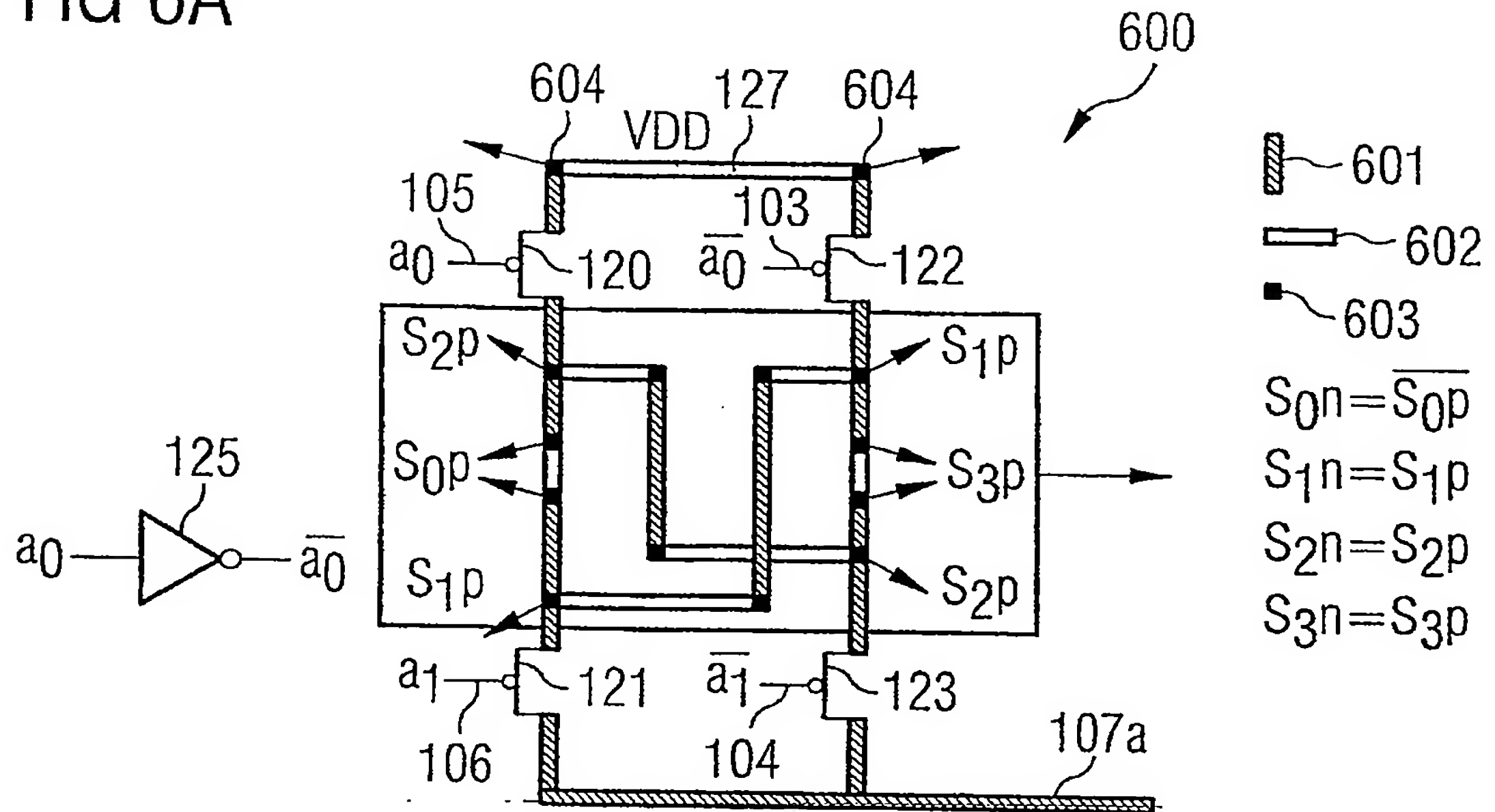


FIG 6B

